



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/001,858
		Filing Date	November 20, 2001
		First Named Inventor	A. Dean Sherry, et al.
		Art Unit	1645 1616
		Examiner Name	Not Assigned [Signature]
Sheet	1	of	3
		Attorney Docket Number	UTAD-0001

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
[Signature]		US- 6,177,562	01/23/2001	Fulvio Uggeri, et al.	
		US- 6,149,890	11/21/2000	Fulvio Uggeri, et al.	
		US- 6,143,274	11/07/2000	Michael F. Tweedle, et al.	
		US- 5,919,432	07/06/1999	Dominique Meyer, et al.	
		US- 5,914,095	06/22/1999	Alan D. Watson	
		US- 5,712,389	01/27/1998	Dominique Meyer, et al.	
		US- 5,050,609	09/24/1991	Robert S. Balaban	
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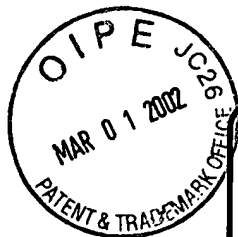
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
[Signature]		WO 0066180	11/09/2000	Aletras, Anthony, et al.		

Examiner Signature	[Signature]	Date Considered	10/27/03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/001,858	
			Filing Date	November 20, 2001	
			First Named Inventor	A. Dean Sherry, et al.	
			Group Art Unit	1645 1618	
			Examiner Name	Not Assigned D. Jones	
Sheet	2	of	3	Attorney Docket Number	UTAD-0001

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
DA		SHANRONG ZHANG, KUANGCONG WU, MICHAEL C. BIEWER, and A. DEAN SHERRY, 1H and 17O NMR Detection of a Lanthanide-Bound Water Molecule at Ambient Temperatures in Pure Water as Solvent, 2001 American Chemical Society, Inorganic Chemistry, Nov. 17, 2001, Vol.40, pg. 4284-4290.	
		SHANRONG ZHANG, KUANGCONG WU, and A. DEAN SHERRY, A Novel pH-Sensitive MRI Contrast Agent, Angew. Chem. Int. Ed., 1999, 38, No. 21, pg. 3192-3194.	
		ANDREI S. BATZANOV, ANDREW BEEBY, JAMES I. BRUCE, JUDITH A. K. HOWARD, ALAN M. KENWRIGHT and DAVID PARKER, Direct NMR and luminescence observation of water exchange at cationic ytterbium and europium centres, Chem. Commun., 1999, pg. 1011-1012.	
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		SILVIO AIME, ALESSANDRO BARGE, MAURO BOTTA, ALVARO S. DE SOUSA, and DAVID PARKER, Direct NMR Spectroscopic Observation of a Lanthanide-Coordinated Water Molecule whose Exchange Rate is Dependent on the Conformation of the Complexes, Angew. Chem. Int. Ed., 1998 37, No. 19, pg. 2673-2675.	
		K. M. WARD, A. H. ALETRAS, and R. S. BALABAN, A New Class of Contrast Agents for MRI Based on Proton Chemical Exchange Dependent Saturation Transfer (CEST), Journal of Magnetic Resonance, 2000, 143, pg. 79-87	
DA		SILVIO AIME, ALESSANDRO BARGE, MAURO BOTTA, DAVID PARKER, and ALVARO S. DE SOUSA, Prototropic vs Whole Water Exchange Contributions to the Solvent Relaxation Enhancement in the Aqueous Solution of a Cationic Gd3+ Macrocyclic Complex, American Chemistry Society, 1997, 119, pg. 4767-4768.	
		SILVIO AIME, ALESSANDRO BARGE, JAMES I. BRUCE, MAURO BOTTA, JUDITH A. K. HOWARD, JANET M. MOLONEY, DAVID PARKER, ALVARO S. DE SOUSA, and MARK WOODS, NMR, Relaxometric, and Structural Studies of the Hydration and Exchange Dynamics of Cationic Lanthanide Complexes of Macrocyclic Tetraamide Ligands, American Chemistry Society, 1999, 121, pg. 5762-5771.	

Examiner Signature	D. Jones	Date Considered	10/27/02
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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		FRANK A. DUNAND, SILVIO AIME, and ANDRE E. MERBACH, First 170 NMR Observation of Coordinated Water on Both Isomers of [Eu(DOTAM)(H2O)]3+: A Direct Access to Water Exchange and its Role in the Isomerization, American Chemistry Society, 2000, 122, pg. 1506-1512.	
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		V. GUIVEL-SCHAREN, T. SINNWELL, S. D. WOLFF, and R. S. BALABAN, Detection of Proton Chemical Exchange between Metabolites and Water in Biological Tissues, Journal of Magnetic Resonance, 1998, 133, pg. 36-45.	
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		K. M. WARD and R. S. BALABAN, Determination of pH Using Water Protons and Chemical Exchange Dependent Saturation Transfer (CEST), Magnetic Resonance in Medicine, 2000, 44, pg. 799-802.	

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